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(54) **REMOTE INSPECTION DEVICE OF SELF
PROPELLING UNDERWATER PROBE TYPE**

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(57) Abstract:

PURPOSE: To inspect easily and efficiently the thickness and the soundness of a weld line, of a lining plate of a storage tank provided to a nuclear installation, etc., in the state of storing water without a person entering the storage tank.

CONSTITUTION: The remote inspection device has a vehicle element 20 provided with an underwater propulsion mechanism and TV camera 32, a self-propelled underwater cleaner element 28 for removing an attachment of a storage tank wall, an ultrasonic thickness measuring device 30 for measuring a lining plate thickness, and a control system for the remote control and for recording measured data. The underwater cleaner element has the plural disks 42 for cleaning, serving as a suction disk, too, which attracts a lining plate 14 by suction force of a suction pump, and moves freely up, down, right and left by control in the rotational direction, and cleans.

